XU1 Power tools
1–23 Letcon Drive, Bangholme, Victoria, Australia 3175
Telephone: 1800 069 486 **Website**: www.xuone.com.au

SAFETY INSTRUCTIONS

ALWAYS WEAR EYE, FACE AND EAR PROTECTION

When operating the tool

Check that the switch is in the "OFF" position before connecting to the power supply. Switch to "OFF" immediately after completion of the task.

Keep the mains cable away from any moving parts or accessories.
Never cover the ventilation slots in the tool.

Electrical safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.

This tool is double insulated in accordance with AS/NZS 60745-1; therefore no earth wire is required.

Using an extension lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

Description of symbols

V	Volts
Hz	Hertz
W	Watts
~	Alternating current
/min	Revolutions, reciprocations or strokes per minute
no	No load speed
mm	Millimetres
	Warning
	Read instruction manual
	Double insulated
5124	Regulator compliance mark

Standards

This Tool has been designed to comply with the following Australian / International Standards and any other applicable standards reference herein.

AS/NZS 60745-1 Hand-held motor-operated electric tools – Safety –General requirements

AS/NZS 60745.2.4:2009: Hand-held motor-operated electric tools - Safety - Particular requirements for sanders and polishers other than disk type

Caring for the environment

Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist.

Check with your local council authority for recycling advice.

General Power Tool Safety Warnings

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. **Save all warnings and instructions for future reference.** The term "power tool" in all of the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b) Use personal protective equipment. Always wear eye protection. Personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

4) Power tool use and care

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

b) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Additional Safety Instructions For Multi Function Tools

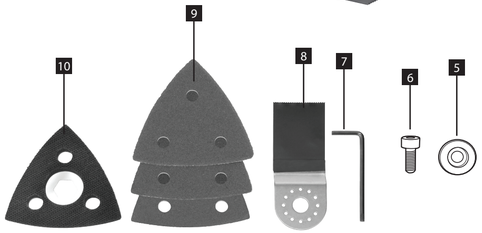
Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

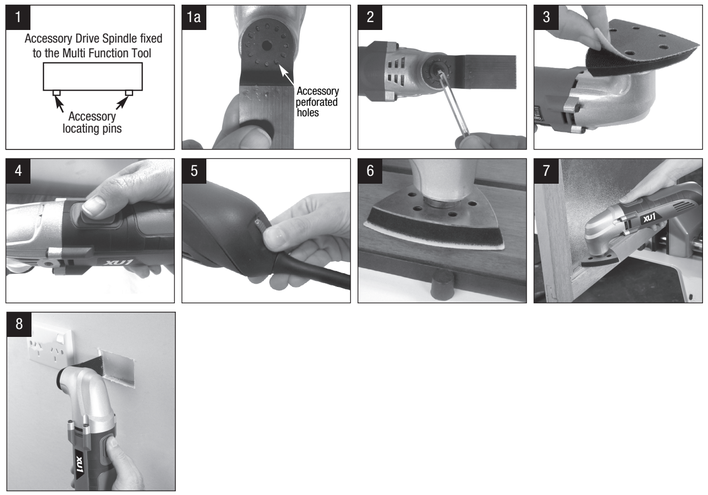
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Recommendations for the use of a residual current device with a rated residual current of 30mA or less.

PRODUCT PARTS

1. Variable speed dial
2. On/off switch
3. Metal gear box
4. Accessory drive spindle
5. Accessory fixing washer
6. Locking bolt
7. Allen key
8. Cutting blade square
9. Sanding paper
10. Sanding pad





SPECIFICATIONS

Motor size:	250W
Input:	230-240V ~ 50Hz
No load speed:	15,000-21,000/min
Stroke Length:	3.8mm
Orbit angle:	3.2°
Sanding pad size:	92 x 92 x 92mm
Variable speed:	Yes
Weight:	1.35kg

USING YOUR MULTI FUNCTION TOOL

WARNING! Be sure to disconnect the rotary tool from the power supply before fitting or removing accessory bits.

Your XU1 Multi Function Tool has been designed for sanding and cutting and many additional applications.

This tool is intended for use in a DIY (Do It Yourself) context or for hobbyist purposes. It is not built for continuous daily use in a trade or professional capacity.

ASSEMBLY

Attaching Your Accessory

1. Choose the desired angle required for your application.
2 Position the perforated holes on the accessory over the locating pins on the accessory drive spindle (4) of the multi function head (Fig. 1 & 1a).
3. Ensure the accessory is sitting flat against the face of the accessory drive spindle (4).
4. Place the accessory fixing washer (5) in alignment with the inner hole of the accessory drive spindle (4).
5. Insert the locking bolt (6) through the accessory fixing washer (5) and into the accessory drive spindle (4) of the Multi Function Tool (Fig.2). Hand tighten only.

Removing Your Accessory

1. Loosen the locking bolt (6) by rotating the allen key (7) in an anti-clockwise direction.
2. Remove the locking bolt (6) and the accessory fixing washer (5) from the Multi Function Tool. Remove the accessory.
3. To re-attach an accessory, follow the instructions on “Attaching your accessory”.

Changing Sanding Paper

Note: The sanding pad (10) is a hook and loop baseplate covered with Velcro material. The sanding paper (9) can be easily attached or removed from the Velcro fastening system.

1. Align the sanding paper (9) to the sanding pad (10) and press firmly to hold in place. As this product does not include a dust extraction system, it is not critical that the holes in the sanding paper lines up with the holes on the sanding pad.
2. To remove or change the sanding paper carefully peel off the sanding paper from one of the triangle ends **(Fig. 3)**.

OPERATION

Operating the On/Off Switch

1. To turn the Multi Function Tool on, slide the on/off switch (2) to “0“ position (Fig. 4).
2. To turn the Multi Function Tool off, slide the on/off switch (2) to the "I" position on the Multi Function Tool.

Adjusting the Variable Speed

Note: In various applications you will need to select the correct speed.

1. When the Multi Function Tool power is turned on, select the “speed” by scrolling the variable speed dial (1) to your desired speed. **(Fig. 5)** The higher the number on the variable speed dial (1) the faster the oscillation frequency of the Multi Funtion Tool.
2. Recommended oscillation frequency for applications:

• High oscillation frequency

Sanding, sawing, rasping, and polishing stone and metal (rasping and polishing accessories not supplied)

• Low oscillation frequency

Polishing varnishes (polishing accessories not supplied)

Choosing the Correct Sanding Paper

Sanding paper (9) is rated according to the number marked on the rear of the sanding paper (9). The higher the number, the smaller and less coarse the particles are on the sanding paper (9). The lower the number, the larger and more coarse the particles are on the sanding paper, this will provide a more aggressive sanding action.
Coarse grit (eg.60) is used for removing paint and sanding down rough surfaces.
Medium grit (eg.80) is used for sanding down plain timber .
Fine grit (eg.120) is used to give a smooth finish to bare wood.
Extra fine grit (eg.400-1200) is used for polishing or sanding between coats of paint.
If there are still marks on your work after sanding, try stepping back to a coarser grade of sanding paper and sanding the marks out. Then recommence with the original choice of grit, or try using a finer (higher numbered) piece of sanding paper (9) to eliminate the unwanted marks and finish the job.

Note: Try not to apply excessive pressure when using the Multi Function Tool as a sander. Excessive pressure with sanding paper (9) can lead to swirl marks or “ring” impressions on your workpiece.

Sanding

In sanding mode, the Multi Function Tool can be used on materials such as wood, plastic, metal and painted surfaces.

Caution: Ensure the Multi Function Tool is not placed on the workpiece.

Note: Ensure you have the correct sanding paper for your application. Always test on a scrap workpiece before using on your workpiece.

1. Slide the on/off switch (2) forward to the “0“ position.
2. Select the desired oscillation frequency speed on the variable speed dial (1) and wait until the motor reaches its maximum speed.
3. Place the Multi Function Tool on your workpiece, ensuring the whole area of the sanding pad (10) is in contact with the work surface **(Fig. 6)**.
4. Allow the Multi Function Tool to do the work and do not apply heavy pressure on the Multi Function Tool. Heavy pressure will not increase the removal of material but may wear your sanding paper (9) faster.
5. If sanding corners in hard to reach areas use the tip or triangle edge of the sanding pad (10) **(Fig. 7)**.

Note: Sanding pad must be kept flat on workpiece. Do not tilt the sanding base and use the edge of the sanding paper. This may cause damage to the sanding pad, reducing its ability to hold your sanding paper.

Sawing – Square Blade

CAUTION: Clamp your workpiece securely if possible and ensure the Multi Function Tool is not placed on the workpiece before commencing your work.

Note: Ensure your blades are not blunt or damaged in any way before commencing your application.

1. In sawing mode, the Multi Function Tool can be used on wood, plastics and sheet metal.
2. Slide the on/off switch (2) forward to the “0“ position.
3. Select the desired oscillation frequency speed on the variable speed dial (1) and wait until the motor reaches its maximum speed
4. If plunging use a slight pendulum motion, to allow sufficient chip or debris removal **(Fig. 8)**.

Note: If using the Multi Function Tool for plunge cuts. Only use this application on soft materials such as wood, gypsum plaster boards. Also check if there are no nails or screws in the workpiece before cutting.

MAINTENANCE

- Keep the ventilation slots of the Multi Function Tool clean at all times, if possible, prevent foreign matter from entering the vents.
- After each use, blow air through the Multi Function Tool housing to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the Multi Function Tool to overheat and fail.
- If the enclosure of the Multi Function Tool requires cleaning do not use solvents but a moist soft cloth only. Never let any liquid get inside the Tool; never immerse any part of the Multi Function Tool into a liquid.

Carbon brushes

When the carbon brushes wear out the Multi Function Tool will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the Multi Function Tool. Carbon brushes are a wearing component of the tool therefore not covered under warranty. Continuing to use the Multi Function Tool when carbon brushes need to be replaced may cause permanent damage to the Multi Function Tool. Carbon brushes will wear out after many uses but when the carbon brushes need to be replaced take the tool to an electrician or a power tool repairer for a replacement. Always replace both carbon brushes at the same time.

Note: XU1 will not be responsible for any damage or injuries caused by the repair of the tool by an unauthorised person or by mishandling of the tool.

WARRANTY

YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486
New Zealand 0508 069 486

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.
Our goods come with guarantees that cannot be excluded at law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

2 YEAR REPLACEMENT WARRANTY

Your product is guaranteed for a period of 24 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. If a product is defective it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: grinding stones, felt wheels, sanding bands and other accessories.

WARNING

The following actions will result in the warranty being void.
- Professional, Industrial or high frequency use.
- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.

XU1
Australia/New Zealand (Head Office)
1-23 Letcon Drive, Bangholme, Victoria, Australia 3175